

WHERE **IRON AGE** ARE MADE



**BATEMAN M'F'G CO.,**

GRENLOCH, New Jersey, U. S. A.

ESTABLISHED 1896

Tools are carried in stock at centers of distribution.  
Liberal stocks of suitable tools for each vicinity are  
carried by the best class of implement and hardware  
dealers in the country.



DIGGING  
TURNIPS  
THIS WAY  
IS THE MOST  
PROFITABLE

## DIGGING POTATOES

*Is Not Child's Play. It*

## NEEDS A MODERN MACHINE

as Nearly Perfect  
as it is possible  
to get it

THREE DIFFERENT STYLES  
ARE DESCRIBED HEREIN

Guaranteed to dig  
**POTATOES, TURNIPS, ONIONS**

as well as any other machine of  
the kind can do it—  
Better than most of them



If not handled by your local dealer, write us for  
nearest address where tools can be seen and explained.

Small illustration of a man using a tool to dig in a field, with a circular logo below it.



**IRON AGE** No. 150 POTATO DIGGERS operate successfully  
in extreme conditions



**A**BOVE we have a smooth piece of ground, very little moisture, no grass or weeds to speak of small vines entirely dead, and a 250 bushel crop.

**B**ELOW note heavy vines, grass and weeds, yet the machine gives perfect separation, and it takes but two horses to do the work.





# IRON AGE No. 150 Elevator Potato Digger

Includes set of doubletrees and neckyoke and stone finger plow in place of one shown in Fig. 383.

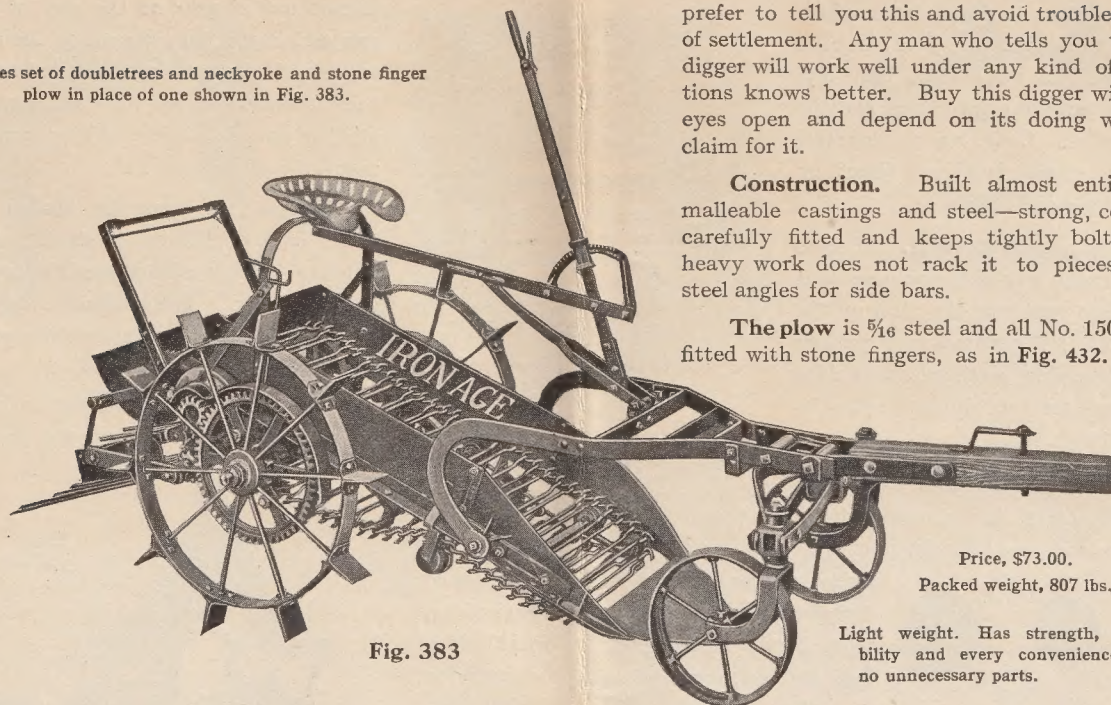


Fig. 383

To the commercial grower the digger is as important as any part of his potato machinery. It saves time, and helps him get his crop to market just right—it saves hard work digging and also in picking up and sorting—it gets all the potatoes at one trip, and without cutting them, as you can set the plow so as to get under them without taking up too much dirt—it pays for itself in a short time—it saves hunting and caring for extra help at a busy time.

No. 150 has the approval of large and small potato growers, and is warranted to

do as good work under the same conditions as any other digger of the same capacity, and much better than some of them. But

In heavy crab grass and mud we guarantee nothing—we do not base satisfactory results on such conditions—we

prefer to tell you this and avoid trouble at time of settlement. Any man who tells you that his digger will work well under any kind of conditions knows better. Buy this digger with your eyes open and depend on its doing what we claim for it.

**Construction.** Built almost entirely of malleable castings and steel—strong, compact, carefully fitted and keeps tightly bolted—the heavy work does not rack it to pieces. Has steel angles for side bars.

The plow is  $\frac{5}{16}$  steel and all No. 150 will be fitted with stone fingers, as in Fig. 432. When

Price, \$73.00.  
Packed weight, 807 lbs.

Light weight. Has strength, durability and every convenience, but no unnecessary parts.

stones strike top of the plow, the fingers give so that there is no clogging.

Close adjustments are made, so that the plow does not take up more soil than is necessary in order to get the potatoes without cutting them.



Fig. 443

The wheels are steel, 28 inches in diameter,  $2\frac{1}{2}$  inch rim, and have cast, removable hub box—the latter is the only part that can wear and is easily and cheaply

replaced. Have steel spurs for the necessary traction and they can be bolted in diagonal position for holding on side hills (Fig. 341).

Can be backed, can be kept over the row, and can hold the plow at any depth, because the pole connections make it impossible for it to swing to the side, although it is hinged to raise and lower (Fig. 443). The machine is always under perfect control. How many diggers can be backed?

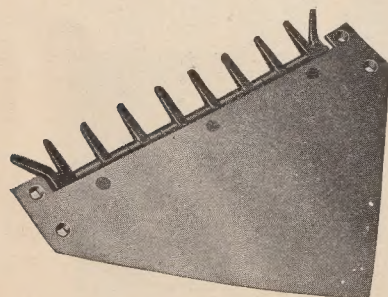


Fig. 432 Stone finger plow.

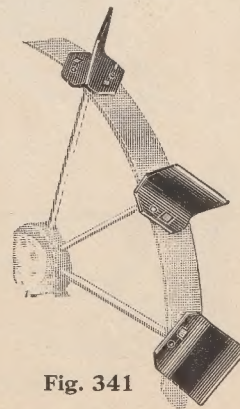


Fig. 341

Spurs set diagonally.  
No slipping on hillsides.



# IRON AGE No. 150 Elevator Potato Digger

## Separation is done thoroughly.

The elevator chain (or apron) is made of interlocking steel cross bars and elliptical sprockets give them just the right motion. Chain has no unnecessary tension and is driven direct by gearing from each side.

**A clear, open elevator.** There is nothing in the way of the potatoes and soil as they pass from the plow up the elevator. No potatoes are pushed aside on the plow, as the elevator sides extend out far enough on the plow to prevent it.

**Separate, removable bearings** (Fig. 382) carry the elevator chain. They are cast iron with the part most

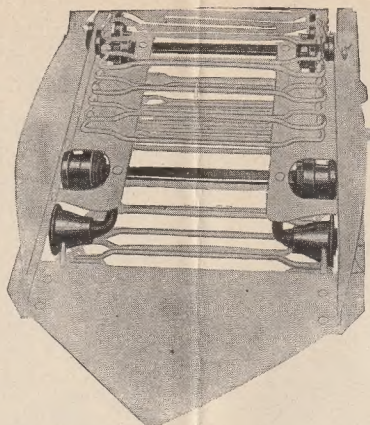


Fig. 382

A plain system of bearings and sprockets for the chain. Protected against dirt and are easily replaced when worn.



Fig. 355

Separate parts for bearings.

likely to wear chilled. Fig. 355 shows separate flanged parts of the middle bearings and washers that set in—they protect against sand, and are cheaply and easily replaced. The lower bearings can be changed to opposite sides and get double the wear.

**The repair expense** on this digger is not more than  $\frac{1}{8}$  to  $\frac{1}{4}$  as much per acre as on any other machine of the kind on the market. This point should be a strong one with your customers.

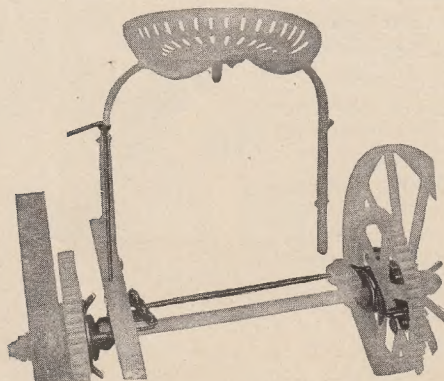


Fig. 356

Shifts from the seat.  
Saves scattering potatoes at ends of rows.

**Throws in and out of gear from the seat**—the only digger that does—one lever shifts the pawls in both wheels at once. Operator does not have to get down—

throws out of gear at the end of each row and keeps the potatoes on the shaker instead of scattering them as he turns the machine. Saves time and saves in picking up. A simple shifter arrangement, always in order.

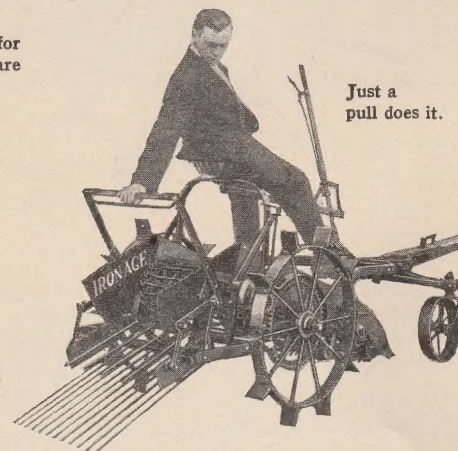
**When you raise the shaker** you don't have to lift the latch out of the notches—simply take hold of the top bar and pull back. The latch is lifted only when lowering—when the load is practically nothing.

**Heavy grassy conditions, or heavy crop or soil, do not affect the uniform**

motion of the shaker, which does its share for perfect separation.

The shaker tines can be shaped to drop the potatoes in the middle of the row or at one side if desired.

**Two horse doubletrees and neckyoke** are furnished with all 1912 No. 150 without extra charge. The next page shows what can be furnished in the way of equalizers and equipments.



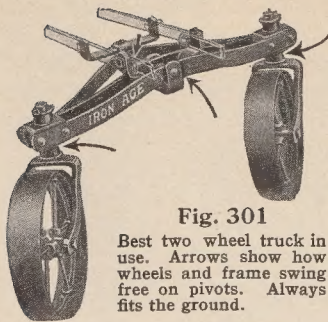
Just a pull does it.

Separating vines and potatoes.





# Attachments for **IRON AGE** Potato Diggers



**Fig. 301**

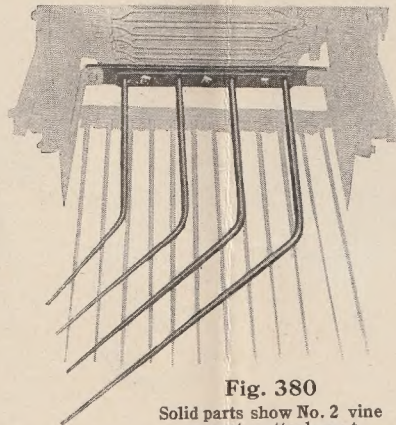
Best two wheel truck in use. Arrows show how wheels and frame swing free on pivots. Always fits the ground.

with the pole, and the wheels swing on castors—wheels hug the ground, even if it is uneven, and there is no danger of upsetting or straining the machine when turning.

On level ground, in a ditch, on a grass hummock at edge of the field, over roots around a tree in the center of the field, on a side hill—they are all the same to this machine. The framework is steel and the pivots secure. Fully covered by patent. When ordering for No. 125-127 Diggers please add letter "D" to the number, as **No. 127D**. Sold also as an attachment only. **Price, \$8.00.**

**Vine separator. Fig. 380.** With this attachment the vines are delivered at one side and the potatoes in the middle or at the opposite side. Goes in place of upper section of

An automatically adjustable foretruck is practically necessary where high ridging is practiced or where potatoes are planted in checks. **Fig. 301** is the regular equipment on Nos. 150 and 155. It is the best two wheel equipment on any digger —has pivot connections

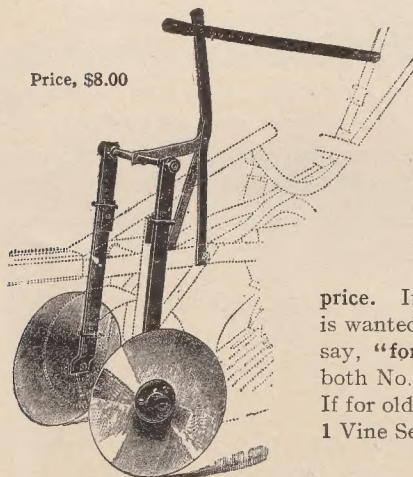


**Fig. 380**

Solid parts show No. 2 vine separator attachment. Price, \$2.50, attachment only.

shaker, with two bolts. When ordering with new machine, please add letter "B" to number, as **No. 150B** and add \$2.50 to the

price. If attachment only is wanted, specify **No. 2** and say, "for No. 150." Fits both No. 150 and No. 127. If for old No. 120, order **No. 1 Vine Separator**.

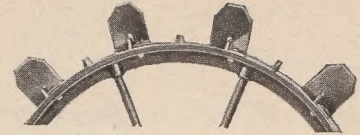


**Fig. 205**

Disc attachment. For extreme conditions.

**Disc attachment, Fig. 205.** For use in digging early white potatoes, also

in the late crop overrun with grass and weeds. Good where vines are extremely heavy growth—the concave discs cut and throw aside a large part of the vines and part of the soil. For No. 125 only and should be used when digging sweet potatoes. Cannot be used with two wheel equipment.



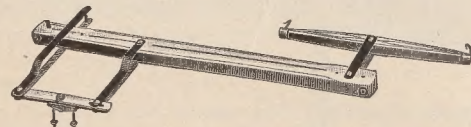
**Fig. 263**

Side hill spurs for wheels. Price, for set of 24, \$3.00.

**Side hill spurs. Fig. 263.** Complete sets of special steel spurs are furnished as an attachment. They are for extreme side hill conditions, and will hold the digger up to its work.

**Regular steel spurs.** Complete sets of these spurs, as described on page 1, will be supplied as an attachment for any old style No. 120 Digger. **Price, per set of 24, \$3.00.**

Each Digger is shipped with two-horse equipment. We furnish a **three-horse equalizer** that includes only parts necessary to complete three-horse equipment for driving three abreast. As the name indicates, parts are so arranged as to equalize the draft. For four horses abreast, we provide **four-horse equalizer (Fig. 379)** which completes a four-horse equipment.



**Fig. 203.** Three horse equalizer. Price, \$3.00. Price, three horse equipment, complete, \$4.00.



**Fig. 379.** Four horse equalizer. Price, \$4.00.



**Fig. 381.** Four horse equipment, complete. Price, \$5.00.



# IRON AGE No. 155 Elevator Potato Digger

Price, \$85.00

Packed weight, 960 lbs.

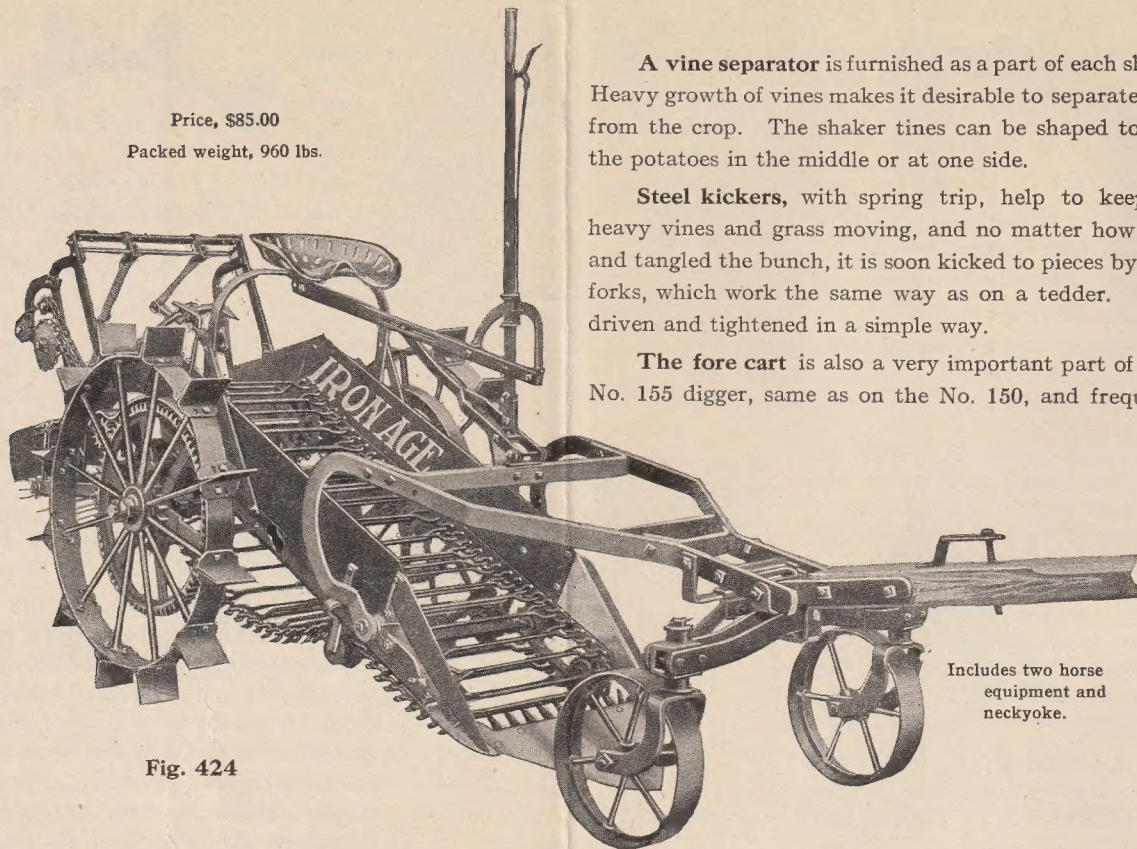


Fig. 424

**For heaviest conditions** of vines, grass, and soil. In some sections of the country the land is heavy, vines are sometimes over 4 feet high, and grass is very troublesome. These conditions need a machine with more traction power and a

**Larger elevator.** The one on No. 155, is 22 inches wide and the chain (or apron) is 54 inches long, one fifth longer than on No. 150. This elevator is big enough to accommodate, without clogging, all that it will ever be asked to take care of.

**Higher wheels.** They give more traction power and ride the holes and hollows more easily. 32 inches in diameter, 3 inch rim, and larger spurs all help to give more traction. The main gears are also heavier and larger, but drive the chain at same speed as on the No. 150.

**Roller bearings** on each side of the shaker, where the hardest work is done, reduce friction and wear to the minimum.

A **vine separator** is furnished as a part of each shaker. Heavy growth of vines makes it desirable to separate them from the crop. The shaker tines can be shaped to drop the potatoes in the middle or at one side.

**Steel kickers**, with spring trip, help to keep the heavy vines and grass moving, and no matter how thick and tangled the bunch, it is soon kicked to pieces by these forks, which work the same way as on a tedder. Chain driven and tightened in a simple way.

The **fore cart** is also a very important part of every No. 155 digger, same as on the No. 150, and frequently

Includes two horse equipment and neckyoke.

decides the sale. Can turn short anywhere, with this truck, without upsetting or straining the machine.

**Other equipment.** Has stone-finger plow, same method of adjusting the machine, same pole connections, same style frame, same separate elevator bearings, same way of shifting in gear from the seat, same two horse equipment as on No. 150. Four horses are better on this size machine and necessary equipment will be sent when ordered.

## In wet crab grass and wet soil

"Your new Digger, No. 155, did splendid work and we were well pleased with its performance. We feel pretty sure that after going through with what it had to, during the very wet spell, that it will work under almost any conditions. Taking care of wet crab grass in the wet soggy soil as it did, shows that it would be almost impossible to clog it."

JOS. H. BLACK SONS & CO.

Sept. 13, 1911.



## IRON AGE

### No. 155 Elevator Potato Digger

This Ohio field was clay—thick mud—vines were heavy, and there was plenty of grass.

The first view shows the machine filled with mud, vines, etc.; the second, the way it clears itself and gives good separation



Thomas Peppler, Hightstown,  
N. J., writes:

SEPTEMBER 13, 1911.

"I have seen your No. 155 Potato Digger work in very bad crab grass, in very wet soil, and was greatly pleased with its work, and the way it laid the tubers in sight was fine indeed. It seems to run light considering the work it had to do. I predict a large sale for it as soon as it gets known. Your truck is the very best one I ever saw; with it the operator can back the machine to start close to the end of the row. No other digger can do this that I know of. The digger makes complete separation."



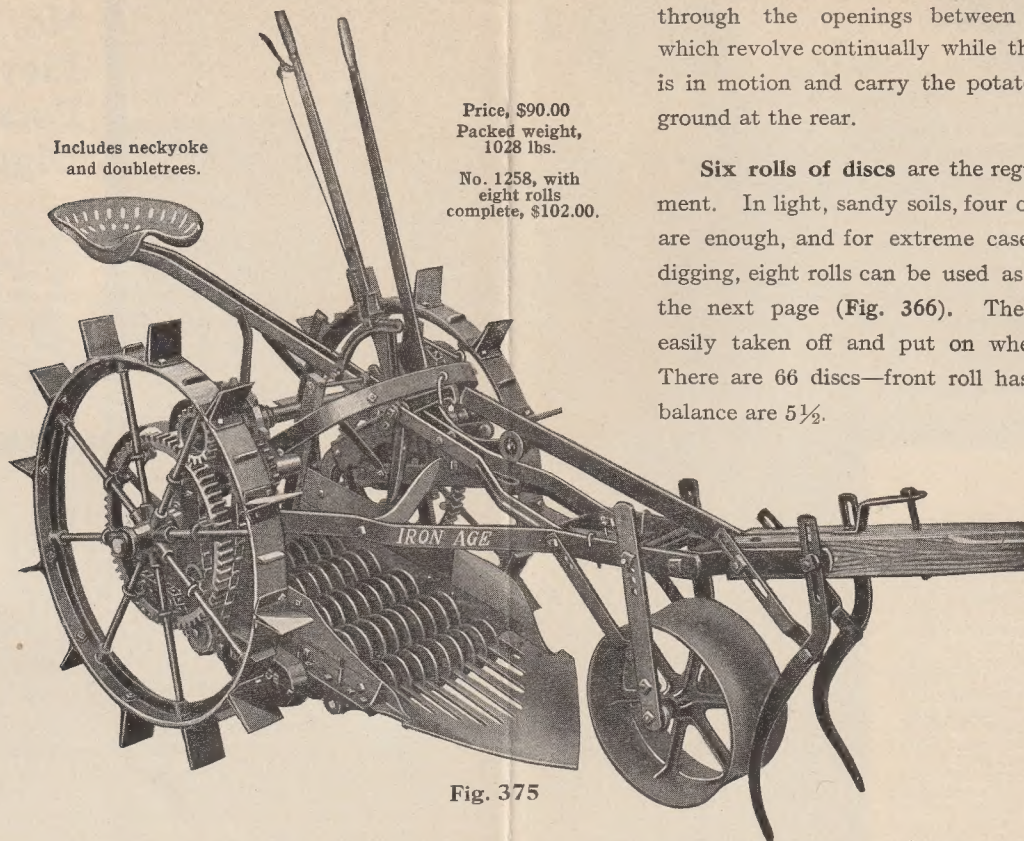
### No. 150 Digging Sweet Potatoes

Elevator chain (apron) removed. No separation of sweets is attempted—skins will not stand it. Simply run the plow under them and shake them out by hand.





# IRON AGE No. 125 Low Down Potato Digger



Includes neckyoke  
and doubletrees.

Price, \$90.00  
Packed weight,  
1028 lbs.

No. 1258, with  
eight rolls  
complete, \$102.00.

through the openings between the discs, which revolve continually while the machine is in motion and carry the potatoes to the ground at the rear.

**Six rolls of discs** are the regular equipment. In light, sandy soils, four or five rolls are enough, and for extreme cases in early digging, eight rolls can be used as shown on the next page (Fig. 366). The rolls are easily taken off and put on when needed. There are 66 discs—front roll has  $4\frac{1}{2}$  inch, balance are  $5\frac{1}{2}$ .

Fig. 375

For the potato grower whose soil and crop conditions change during the season, from easy early digging, where soil, potatoes and vines separate without trouble, to the late season when vines, grass and weeds have rank growth, and the soil soggy, perhaps.

A combination machine like this is of real value because, in all cases, the grower uses the least possible amount of machinery and horse power to take the tubers out right.

**Rotary disc separation**, which is the basic principle of this digger, answers the purpose perfectly in the early digging of the larger part of the country. The rolls of discs are placed low in the frame—potatoes and soil are not elevated—takes less power and the crop has no unnecessary handling. Soil and stones pass

**Draft.** Two horses are enough for the machine in this form.

**Takes elevator and shaker** for extra heavy conditions; also other attachments for special work.

You buy just the combination you need and not a lot of parts that do not add to quality or ease of the work.

**To crush the vines**, and keep them in the best shape for digging, we use the large roller, 14 x 8, with concave face. Adjusts for height, and forward and back—a lever, convenient to the seat, raises the roller clear of rocks, etc. For heavy vines, see Fig. 205, page 3.

**To straighten out vines** ahead of the roller, there are vine gatherers, shaped and adjusted for the purpose.

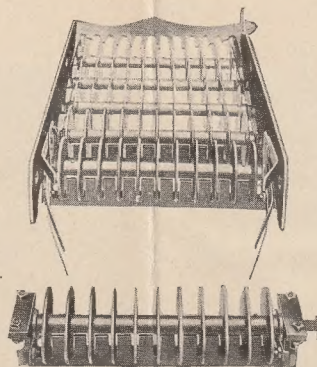


Fig. 338

A sieve for perfect separation.  
6th roll removed.



# IRON AGE No. 125 Low Down Potato Digger

The plow is a wide, heavy steel blade,  $\frac{5}{16}$  thick—adjusted by lever for working depth, and slotted at upper end to let some of the dirt and trash through. No clogging—separation begins at once.

The pole connections are practically the same as on No. 150 and give the operator entire control of the machine.

Kickers or tedder sticks keep the vines and trash on the move to the rear. Can be set to work together or alternately, as on a hay tedder.

The frame work is mostly of steel and malleable iron—a strong foundation to stand the heaviest work.

The wheels are cast iron with steel spokes and a large, heavy gear securely attached—power is applied from both sides at once. Each wheel has steel spurs for the added traction which is necessary in many soils.

The gearing is covered thoroughly and yet easy to get at. Chains and sprockets are coupled so that they can be disconnected easily when one or more rolls are to be taken off. A pair of small clutches throws the machine in gear from the seat.

**8-roll attachment.** A third more separating surface but comparatively little additional weight. Helps many growers to do without an elevator. Fig. 366 shows attachment in place and the 6th roll of the regular No. 125 ready to be bolted back of all. You use only as many rolls as you need. Extra tedder provided for heavy vines.

As attachments please order No. 123 for No. 120, and No. 129 for No. 125. The cost includes extra links of chain to drive the attachment.

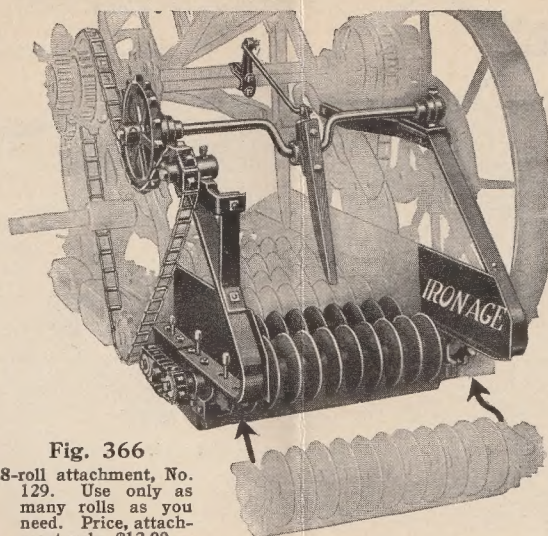


Fig. 366  
8-roll attachment, No. 129. Use only as many rolls as you need. Price, attachment only, \$12.00.

Complete 8-roll machine should be ordered by adding figure 8, to the number of machine, as No. 1258. Price, \$102.00.

Fore truck (Fig. 301) page 3, can be supplied in place of the single roller at the same price for the complete machine, No. 125. Fits every unevenness of ground, prevents strain on the frame, and operator can turn short at ends of rows without danger of upsetting.

## As good as the elevator

July 24, 1911.  
J. H. Shepherd, Freehold, N. J., writes: "I think the eight-roll attachment separates as good as the elevator, and the draft is very light. Your Rotary Disc is surely the best two-horsedigger on the market."

## And here is what he said in 1908

Freehold, N. J. "The Iron Age Potato Digger is all any person could ask. I have used mine three seasons without one dollar expense for repairs, and have dug where the grass was so thick I could not see the row of potatoes and made clean work. Since I received your Vine Separator, I went in a field where my neighbor was trying to get through wet ground and large green vines with one of the leading make of Diggers. He could not go one hundred feet without stopping to clear out vines and mud. He had four horses, I had three, and I went the entire length of the field without stopping at all and did perfect work. I consider it the best Digger I have ever seen work, for all conditions of digging and lightness of draft." J. H. SHEPHERD.



With Elevator attached. This Michigan man says, "These potatoes are like 'Iron Age' machinery, all on top." Crop planted with "Iron Age" Planter—not a skip in the field.



# IRON AGE No. 127 Combined Low Down and Elevator Potato Digger

When conditions are heavy and the grower cannot get satisfactory separation with six or eight rolls, he can remove 5th and 6th rolls and attach Elevator with Shaker (Fig. 376), which makes Fig. 377, shown below.

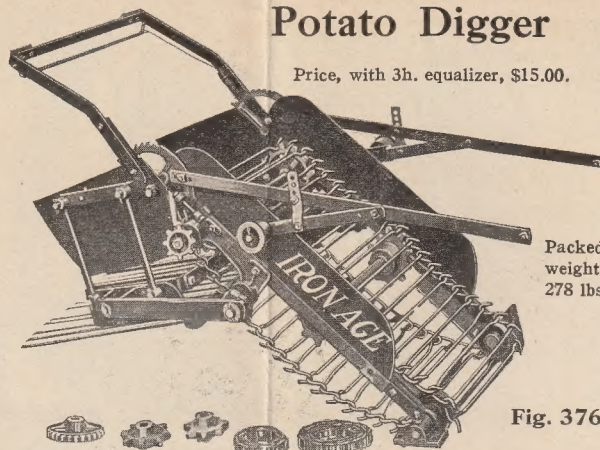
The chain (or apron) is made of interlocking steel cross bars, and elliptical sprockets give it the right motion, so that with the four front rolls of discs, and the shaker, there is perfect separation.

Driven from both sides, it has central even motion without danger of twist. Roller bearings (four sets) reduce friction. The elevator can be adjusted for height and chain tightened when necessary. Steel construction—few parts—easily put on.

The shaker is steel, hung from both sides, and is raised by the operator from his seat by simply pulling it up—don't have to release the ratchet—this is a decided advantage with a shaker heavy with soil and potatoes. Shaker can be removed when not needed.

The shaker tines can be shaped to leave the crop in the middle or at one side.

Same vine separator is furnished as for No. 150 (Fig. 380, page 3) and should be ordered as No. 2.



Elevator attachment No. 126, for better separation and extreme conditions.

Price, with 3h. equalizer, \$15.00.

Packed weight, 278 lbs.

Fig. 376

Three horses can handle the complete elevator digger without difficulty—the sets of discs help to lighten the load.

Equalizers. Each No. 125 has two horse and No. 127 has three horse equipment. Three horse equalizers (Fig.

203) mean the parts necessary to change from two to three horses, driving abreast. Four horse equalizers (Fig. 379) mean parts necessary to change from two to four horses, driving abreast. (See page 3.)

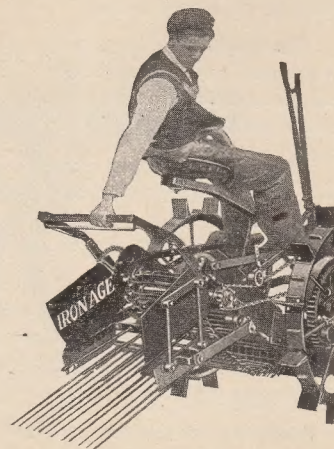


Fig. 378, less sprocket, to make No. 128 into No. 127. Price, \$5.00.



Fig. 378

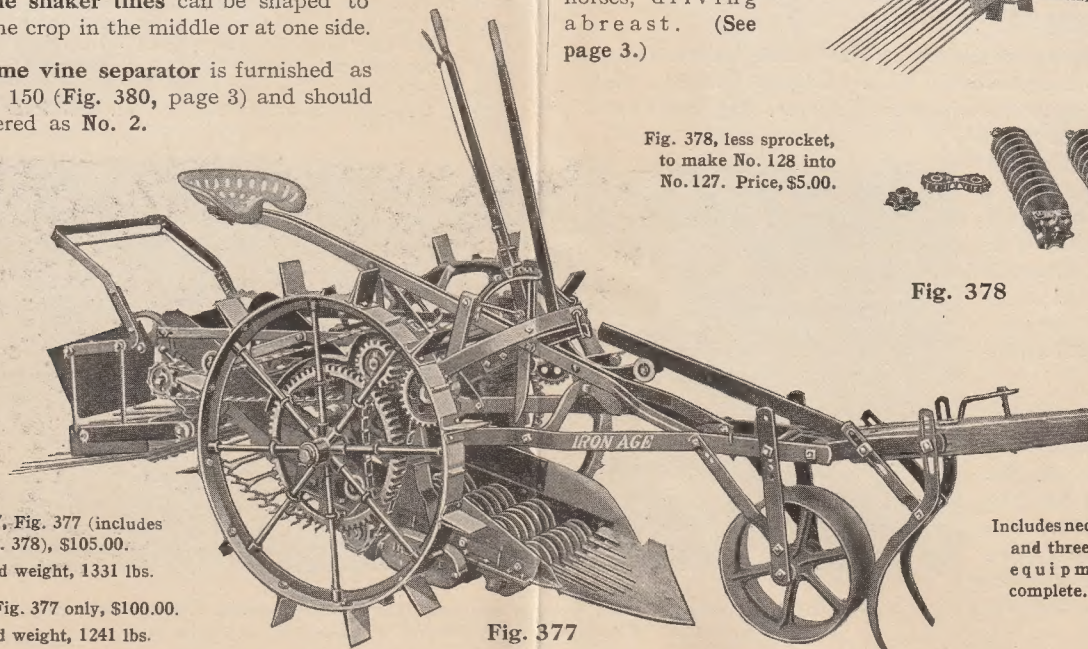


Fig. 377

No. 127, Fig. 377 (includes Fig. 378), \$105.00.

Packed weight, 1331 lbs.

No. 128, Fig. 377 only, \$100.00.

Packed weight, 1241 lbs.

Includes neckyoke and three horse equipment, complete.



In this ***IRON AGE*** COMBINED LOW DOWN AND ELEVATOR DIGGER the main advantage is that its simplest form takes care of the crop in the majority of cases



**I**N the upper view the digger is working in light, sandy loam, does not require spurs on the wheels, and gives complete separation without too much handling of the potatoes. Two horses only were needed.

**T**HE view below shows the machine with elevator attachment, spurs on the wheels, and three horses are used—this combination gives better separation in the heavier soil.





# IRON AGE

NO. 120 IN  
NEW JERSEY.  
A BIG CROP  
EASILY AND  
PERFECTLY  
HARVESTED



NO. 120 IN  
MICHIGAN  
THOROUGH  
SEPARATION

COMBINED ELEVATOR  
AND LOW  
DOWN THUNDER IN  
PENNSYLVANIA



NEW NO. 120 IN OHIO  
IN CLAY LOAM VERY  
STICKY. GOOD SEP-  
ARATION



LOW  
DOWN  
MACHINE  
IN  
MARYLAND

